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Special Provision for Temporary Modular Glare Screen System

October 1, 1999

This special provision was developed by the Bureau of Operations. The special provision may be inserted into contracts at the designer's discretion to require the use of temporary modular glare screen systems on concrete barrier walls in work zones. It lists the various systems that may be used on projects and also describes installation procedures, method of measurement, and basis of payment when this item is used.

The districts should include the BDE Check Sheet with the applicable BDE Special Provisions marked for the January 21, 2000 letting and for subsequent lettings and the Project Development and Implementation Section will include the paper copy in the contract.

This special provision will be transferred through the E-mail System to the district offices on October 1, 1999.

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TEMPORARY MODULE GLARE SCREEN SYSTEM (BDE)

Effective: January 1, 2000

Description. This work consists of furnishing, installing, and maintaining a temporary modular glare screen system on top of temporary barrier according to the modular glare screen system manufacturer's specifications. The temporary modular glare screen system shall consist of modular base units attached to the top of concrete barrier rail with blades evenly spaced and securely mounted to base units.

Materials.

- (a) Specifications. The modular base units and glare screen blades shall be compatible so the base unit and blades can be securely attached to each other. The base unit and blades shall be supplied from the same manufacturer.

The length of individual modular base units shall be a maximum of 3.05 m (10 ft) or no longer than the nominal 3.05 m (10 ft) length of the individual temporary concrete barrier sections. The width of the modular base units shall be a maximum width of 150 mm (6 in.) or no wider than the top of the temporary concrete barrier rail.

The glare screen blades shall be FHWA highway green in color and made of impact resistant non-metallic high-density plastic material. The blades shall have a height from 600 mm (24 in.) to 750 mm (30 in.) and a width from 150 mm (6 in.) to 225 mm (9 in.). The same uniform sized blades shall be used throughout the project.

- (b) Producers. The following modular glare screen systems may be used:

(1) Carsonite Modular Guidance System

Carsonite International
1301 Hot Springs Road
Carson City, NV 89706
Phone: (800) 327-9647

(2) Safe-Hit Glare System

Safe-Hit Corporation
1390 W. Winton Avenue
Building 11
Hayward, CA 94545
Phone: (800) 537-8958

(3) FlexStake Glare Screen

FlexStake, Inc.
2348 Bruner Lane SE
Ft. Myers, FL 33912
Phone: (800) 348-9839

Installation. The contractor shall install the temporary modular glare screen system according to the manufacturer's instructions. The temporary modular glare screen system shall be installed so that it is centered along the longitudinal axis length to the top of the concrete barrier rail and is flush with the rail so that the modular base unit does not extend over the joints between the concrete barrier sections. The glare screen blades shall be installed so the combination of blade width and spacing provide for a minimum 22 degree sight cut-off angle.

The contractor shall, at their own expense, maintain and repair the temporary modular glare screen system throughout the duration of the project.

Method of Measurement. The temporary modular glare screen system will be measured for payment in meters (feet) in place, measured along the centerline of the modular glare screen system.

Basis of Payment. The installation, maintenance, and removal of the temporary modular glare screen system will be paid at the contract unit price per meter (foot) for MODULAR GLARE SCREEN SYSTEM.

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